Ting-Rui (Ray) Chiang

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Research Interests

Natural Language Processing, Machine Learning

Education

2014 - 2018	**National Taiwan University** Bachelor of Computer Science and Information Engineering Average GPA: 4.08 / 4.30
2018 - 2020	**National Taiwan University** Master of Computer Science and Information Engineering Advisor: Yun-Nung (Vivian) Chen
2020 - Now	**Carnegie Mellon University** Master of Language Technology Advisor: Maxine Eskenazi and Jeffrey Bigham

Publications

1. **Ting-Rui Chiang**, Yi-Pei Chen, Yi-Ting Yeh, and Graham Neubig, "Breaking Down Multilingual Machine Translation," work in progress.

2. **Ting-Rui Chiang**, "On a Benefit of Mask Language Modeling: The Robustness to Simplicity Bias," in axriv, work in progress.

3. **Ting-Rui Chiang**, and Yun-Nung Chen, "Relating Neural Text Degeneration to Exposure Bias," in *Proceedings of the Fourth BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP (BlackboxNLP@EMNLP 2021)*.

4. **Ting-Rui Chiang**, and Yi-Ting Yeh, "Improving Dialogue State Tracking by Joint Slot Modeling," in *Proceedings of the 3rd Workshop on Natural Language Processing for Conversational AI (NLP for ConvAI@EMNLP 2021)*.

5. **Ting-Rui Chiang***, Yi-Ting Yeh*, Ta-Chun Chi and Yao-Shian Wang, "Are you doing what I say? On modalities alignment in ALFRED," in *Proceedings of the 1st Workshop on Novel Ideas in Learning-to-Learn through Interaction. (NILLI@EMNLP 2021)*.

6. **Ting-Rui Chiang**, Hao-Tong Ye and Yun-Nung Chen, "An Empirical Study of Content Understanding in Conversational Question Answering," in *Proceedings of Thirty-Forth AAAI Conference on Artificial Intelligence (AAAI 2020, full paper, oral)*, New York, New York, USA, 2020.

7. **Ting-Rui Chiang** and Yun-Nung Chen, "Semantically-Aligned Equation Generation for Solving and Reasoning Math Word Problems," in *Proceedings of The 17th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2019, full paper, oral)*, Minneapolis, USA, June 2-7, 2019.

8. **Ting-Rui Chiang**, Chao-Wei Huang, Shang-Yu Su, Yun-Nung Chen,"Learning Multi-Level Information for Dialogue Response Selection by Highway Recurrent Transformer," in *The 7th Dialog System Technology Challenge (DSTC7) in Proceedings of Thirty-Third AAAI Conference on Artificial Intelligence (AAAI 2019)*, Honolulu, Hawaii, USA, 2019.

9. **Ting-Rui Chiang***, Chao-Wei Huang*, Shang-Yu Su, Yun-Nung Chen,"RAP-Net: Recurrent Attention Pooling Networks for Dialogue Response Selection," in *The 7th Dialog System Technology Challenge (DSTC7) in Proceedings of Thirty-Third AAAI Conference on Artificial Intelligence (AAAI 2019)*, Honolulu, Hawaii, USA, 2019.

Special Experiences

2015 - 2018	**Mail Subgroup Leader of System Administration Team at NTU CSIE.**
2017, 2018	**Teaching Assistant of CSIE2311 Network Administration/System Administration Training.**
2017	**Summer Intern at Academia Sinica, Natural Language Understanding Lab.**
2018	**Summer Intern at Taiwan AI Labs**
2019	**Teaching Assistant of CSIE5431 Applied Deep Learning.**